

Patent claims:

1. A portable device for viewing an image, in particular a stereo image, comprising a housing, in which an image, an optical unit and two viewer openings are provided, characterized in that the image (9, 9') is generated by means of an electronically drivable display (8), and in that means are provided in such a way that the electronic image data made available to the display (8) are provided in an image memory (15, 16) integrated in the housing (2) and/or from an external image data unit (23) via an interface (22) in a wireless manner.
2. The device as claimed in claim 1, characterized in that an electronic control unit (14) is provided for driving the display.
3. The device as claimed in claim 1 or 2, characterized in that the optical unit (10) comprises a lens and/or reflector arrangement (11, 12) in such a way that the image (9, 9') displayed by the display (8) is magnified and/or imaged sharply.
4. The device as claimed in one of claims 1 to 3, characterized in that the image data can be downloaded from the central image data unit (23) via the air interface if appropriate with inclusion of a mobile telephone (21).
5. The device as claimed in one of claims 1 to 4, characterized in that the image data can be calculated by means of a computational model, in particular one according to the VRML/X3D standard.
6. The device as claimed in one of claims 1 to 5, characterized in that a location determination unit (20) is accommodated in the housing (2) in such a way

that, depending on the location of the housing (2) or the viewer, the display (8) can be assigned an image (9, 9') corresponding to the location of the housing (2) or the viewer.

5

7. The device as claimed in one of claims 1 to 6, characterized in that the coordinate falls detected by a base station in which the mobile telephone (21) is situated can be used for determining the location of the viewer.

10

8. The device as claimed in one of claims 1 to 7, characterized in that the display (8) is formed as a stereo image display having two display segments (13, 13'), and in that means are provided in such a way that stereo images (9) are generated continuously in real time as an image sequence depending on the orientation of a compass (20) integrated in the housing (2) at the viewer's location.

20

9. The device as claimed in one of claims 1 to 8, characterized in that the image memory is formed as a plug-in card (16).

10. The device as claimed in one of claims 1 to 9, characterized in that the compass (20) is formed as a magnetic sensor for determining the horizontal component of an orientation vector.

25

11. The device as claimed in one of claims 1 to 10, characterized in that an inclination sensor is formed for determining the vertical component of the orientation vector.

30

12. A method for producing an image, in particular a stereo image, which is generated in a portable housing, characterized in that means are provided in such a way that, from the current location of the housing (2),

35

images (9) identifying the environment thereof are provided in an electronic display (8).

13. The method as claimed in claim 12, characterized
5 in that the current location is determined by means of
a location determination unit (20) integrated in the
housing (2), and in that the images (9) identifying the
current location are then downloaded from a central
image data unit (23) via the air interface.

10

14. The method as claimed in claim 12, characterized
in that images of a predeterminable location are
provided by means of an integrated control unit (14).